



New Pests

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2020-5758
Application: New Pests
Product: Proline Gold
Registration Number: 30511
Active ingredients (a.i.): Fluopyram, Prothioconazole
PMRA Document Number: 3221478

Background

Proline Gold, first registered in June 2012, is a broad spectrum, preventative, systemic, and curative fungicide registered to control certain fungal diseases on multiple crops in the field, including lentils. It is registered to control white mould and ascochyta blight on lentil and some other dried shelled pea and bean (except soybean) crops when applied by ground equipment at rates between 200-300 g ai/ha, to a maximum of 600 g ai/ha/year. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

The purpose of this application was to add a claim to control anthracnose, including biotypes resistant to strobilurin (group 11) fungicides, on lentil for Proline Gold applied preventatively at 300 g ai/ha, a maximum of two times per year using ground spray equipment.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environment assessments were not required since the use pattern remained unchanged.

Value Assessment

Five suitable field efficacy trials conducted in Saskatchewan were submitted to support a claim to control anthracnose, including biotypes resistant to Group 11 fungicides, on lentil when applied preventatively at 300 g ai/ha up to twice per year using ground spray equipment. Proline Gold reduced anthracnose disease severity and seed infection to levels consistent with a control claim and similarly to other fungicides that are registered for control of this economically important lentil disease. As Proline Gold contains group 3 and group 7 active ingredients, it will serve to manage strobilurin resistant biotypes that have become increasingly prevalent in many lentil production areas.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support a claim to control anthracnose, including biotypes resistant to Group 11 fungicides, on lentil when applied preventatively at 300 g ai/ha, a maximum of two times per year using ground spray equipment.

References

PMRA #	Reference
3178422	2020, Compilation of Field Trial Reports: Value Assessment of Proline Gold Fungicide for Control of Anthracnose (<i>Colletotrichum lentis</i>) and Botrytis Grey Mould (<i>Botrytis cinerea</i>), DACO: 10.2.3.3(D)
3215138	2011, Disease control in lentil with Propulse fungicide - additional Field trial report, DACO: 10.2.3.3(D)

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